JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 322 (1987)

AUTHOR INDEX

Abu-Orabi, S.T., (322) 25
Akbari, M.N., (322) 99
Andrianary, P., (322) 81
Angelis, M. De, (322) C21
Appel, M., (322) 77, 351
Astruc, D., (322) C13

Bakar, W.A.W.A., (322) C1
Beck, W., (322) 77, 351
Behrens, U., (322) 203
Behringhelli, T., (322) C21
Bihlmayer, C., (322) 25
Blunden, S.J., (322) 163
Boersma, J., (322) C37
Brintzinger, H.H., (322) 65

Cabeza, J.A., (322) C16
Cano, F.H., (322) 111
Cariou, M., (322) 357
Chen, W., (322) 57
Ciani, G., (322) C21
Clark, H.C., (322) 393
Conroy-Lewis, F.M., (322) 221
Crespo, M., (322) 405

D'Alfonso, G., (322) C21
Daran, J.C., (322) 103
Davidson, J.L., (322) C1
Davies, J.A., (322) 393
De Angelis, M., (322) C21
Deacon, G.B., (322) 257
Den Haan, K.H., (322) 321
Derenne, S., (322) 229, 239
Dietrich, H., (322) 299
Dreeskamp, H., (322) 49

Einhorn, C., (322) 177

Fan, Y., (322) 57
Field, J.S., (322) C7
Fischer, B., (322) C37
Foces-Foces, C., (322) 111
Fyfe, C.A., (322) 393

Garcia, M.P., (322) 111
Garcia, V., (322) 249
Garralda, M.A., (322) 249
Gaudemer, A., (322) 229, 239
Gaur, G., (322) 71
Guerchais, J.E., (322) 357

Haaland, A., (322) C24
Haan, K.H. den, (322) 321
Haines, R.J., (322) C7
Hanika, G., (322) C24
Hayashi, T., (322) C32
Hayes, P.J., (322) 393
Heidrich, J., (322) 77
Herberich, G.E., (322) C29
Hoberg, H., (322) 193
Hougen, J., (322) C24
Huttner, G., (322) 65

Jenner, G., (322) 81
Jenni, K., (322) 193
Jeżowska-Trzebiatowska, B., (322) 331
Jin, Z., (322) 57
Johnson, M.D., (322) 229, 239

Kapoor, P.N., (322) 71
Karsch, H.H., (322) C24
Kergoat, R., (322) 357
Kiso, Y., (322) C32
Kitagawa, S., (322) 121
Kubicki, M.M., (322) 357
Kumar Das, V.G., (322) 33, 163

L'Haridon, P., (322) 357
Lahuerta, P., (322) 377
Landazuri, C., (322) C16
Latorre, J., (322) 377
Lindsell, W.E., (322) C1
Luche, J.-L., (322) 177

Machida, K., (322) 121
Mahdi, W., (322) 299
Mak, T.C.W., (322) 33, 163
Marten, D.F., (322) 99
Masuda, S., (322) 121
Mauze, B., (322) 131
Mayer, H., (322) C29
McCullough, K.J., (322) C1
McMahon, I., (322) 393
Mercykutty, P.C. (322) 71
Mier, G.P.M. van, (322) C37
Miginiac, L., (322) 131
Mitchell, T.N., (322) 141, 151
Moodley, K.G., (322) C7
Muir, K.W., (322) C1
Mun, L.K., (322) 163

Munakata, M., (322) 121
Münstedt, R., (322) 11

Navarre, D., (322) 103
Nelson-Reed, K.T., (322) 257
Ng, W.S., (322) 33
Nissen-Sobocińska, B., (322) 331

Ongoka, P., (322) 131
Oro, L.A., (322) 111, C16

Parlier, A., (322) 103
Pathak, D.D., (322) 71
Piraino, P., (322) 369
Pörschke, K.R., (322) 385
Portilla, A., (322) 111

Reimann, W., (322) 141, 151
Röll, W., (322) 65
Roman, E., (322) C13
Rudler, H., (322) 103
Ruiz, J., (322) C13
Rzepkowska, Z., (322) 309

Sacher, W., (322) 351
Saeki, K., (322) C32
Sales, J., (322) 405
Sampson, C.N., (322) C7
Schiavo, S.L., (322) 369
Schloter, K., (322) 77
Schröder, W., (322) 385
Schümann, U., (322) 299
Sergi, S., (322) 369
Shihada, A.-F., (322) 185
Sielisch, T., (322) 203
Simpson, S.J., (322) 221
Sironi, A., (322) C21
Smeets, W.J.J., (322) C37
Solana, I., (322) 377
Spek, A.L., (322) C37
Standt, A., (322) 49
Starowieyski, K.B., (322) 309
Sundermeyer, J., (322) C7

Taga, T., (322) 121
Tanaka, M., (322) C32
Teuben, J.H., (322) 321
Tiekink, E.R.T., (322) 1

Tiripicchio, A., (322) C16
Tiripicchio-Camellini, M., (322) C16
Tresoldi, G., (322) 369

Van Mier, G.P.M., (322) C37
Volden, H.V., (322) C24

Wannagat, U., (322) 11
Wasylishen, R.E., (322) 393
Wei, C., (322) 33, 163
Weiss, E., (322) 299
Weller, F., (322) 185
Wrackmeyer, B., (322) 25

Xing, Y., (322) 57

Yamamoto, N., (322) 121
Yang, G., (322) 57

Zsolnai, L., (322) 65
Zugasti, E., (322) 249

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 322 (1987)

SUBJECT INDEX

Aluminium

Methylaluminium complexes with anisole, reaction mechanisms of (K.B. Starowieyski, Z. Rzepkowska), (322)309

Trimeric aluminium phosphamide $[(CH_3)_2AlP(CH_3)_2]_3$, molecular structure determined by gas electron diffraction (A. Haaland, J. Hougen, H.V. Volden, G. Hanika, H.H. Karsch), (322)C24

Boron

Stannacyclopentadienes, preparation via organoboration of diethynyldimethylstannane with *B*-alkyl-9-borabicyclo[3.3.1]nonanes (C. Bihlmayer, S.T. Abu-Orabi, B. Wrackmeyer), (322)25

Cadmium

Dicyclopentadienylpyridinecadmium complex, structure of (B. Fischer, G.P.M. van Mier, J. Boersma, W.J.J. Smeets, A.L. Spek), (322)C37

Chromium

Binuclear carbonyls of Cr, Mo, Fe and Ni with single hydrogen bridges, MO calculations of (B. Jeżowska-Trzebiatowska, B. Nissen-Sobocińska), (322)331

Cobalt

Cobalt and ruthenium catalysts for hydrocarbonylation of butanols (P. Andrianary, G. Jenner), (322)89

Hydridocobaloxime addition to (*H*)-1-phenylpropene, stereochemistry of forward and reverse reactions in (S. Derenne, A. Laudemer, M.D. Johnson), (322)229

Pentamethylcyclopentadienyl complexes: $[(\eta^5\text{-}C_5Me_5)Ru(PPh_3)(L)Cl]$ (L = Co, t-BuNC) and $[(\eta^5\text{-}C_5Me_5)Ru(L)_2Cl]$ (L = t-BuNC, norbornadiene), preparation and reactivity of (F.M. Conroy-Lewis, S.J. Simpson), (322)221

Phenylpropylbis(dimethylglyoximato)pyridinecobalt(III) in aqueous sulphuric acid, kinetics, and mechanism of decomposition of (S. Derenne, A. Gaudemer, M.D. Johnson), (322)239

Copper

Copper(I) complexes with ethylene, structural study of; crystal structures of [Cu(2,2′-bipyridine)(ethylene)]ClO_4 and [Cu(1,10-phenanthroline)(ethylene)]ClO_4 (H. Masuda, N. Yamamoto, T. Taga, K. Machida, S. Kitagawa, M. Munakata), (322)121

Germanium

α-Triorganostannylvinyllithiums with Group IVB organometallic halides, reactions of; formation of α-trimethylplumbylvinyllithiums (T.N. Mitchell, W. Reimann), (322)151

Iridium

Orthometallated iridium(III) compounds, synthesis by chemical and electrochemical methods of (P. Lahuerta, J. Latorre, I. Solana), (322)377

Iron

Binuclear carbonyls of Cr, Mo, Fe and Ni with single hydrogen bridges, MO calculations of (B. Jeżowska-Trzebiatowska, B. Nissen-Sobocińska), (322)331

Carbanion addition to a metallated acetaldehyde, regiospecific alkene synthesis (D.F. Marten, M.N. Akbari), (322)99

Carbonyliron compounds, reactions with ketenimines of (T. Sielisch, U. Behrens), (322)203

$[CpFeP_2L]^+$ cations, ($Cp = C_5H_5$, C_5Me_5; L = CO vs. CH_3CN; P = phosphine, phosphite), photosynthesis, reactivity and electrochemical properties of (J. Ruiz, E. Roman, D. Astruc), (322)C13

Diphosphazane- and diphosphine-bridged iron and ruthenium derivatives; dependence of the nature of the hydride ligand on the metal and the bridging diphosphorus ligand (J.S. Field, R.J. Haines, C.N. Sampson, J. Sundermeyer, K.G. Moodley), (322)C7

Ligand–iron(0) systems, 1,3-diene reactions with CO_2 at; formation of carboxylates and their reactions (H. Hoberg, K. Jenni), (322)193

μ-Methyleneiron complex, double acetylene insertion into; formation of μ-(divinyl)-carbeneiron complex after double hydrogen migration (D. Navarre, A. Parlier, H. Rudler, J.C. Daran), (322)103

Organometallic derivatives with anions of fluorosulphonic acid, and perfluoro sulphonic and carboxylic acids (M. Appel, K. Schloter, J. Heidrich, W. Beck), (322)77

Lead

α-Triorganostannylvinyllithiums with Group IVB organometallic halides, reactions of; formation of α-trimethylplumbylvinyllithiums (T.N. Mitchell, W. Reimann), (322)151

Lithium

Allyl(pentamethyldiethylenetriamine)lithium, $Li\text{-}C_3H_5(Me_2NC_2H_4N(Me)C_2H_4NMe_2)$, preparation and crystal structure of (U. Schümann, E. Weiss, H. Dietrich, W. Mahdi), (322)299

1-Amido-2-vinylcyclopropanes, preparation from monohalogenated allyllithium compounds and α-ethylenic tertiary-amides (P. Ongoka, B. Mauze, L. Miginiac), (322)131

Carbanion addition to a metallated acetaldehyde, regiospecific alkene synthesis (D.F. Marten, M.N. Akbari), (322)99

Diene(polyfluorophenyl)platinum(II) complexes, preparations and ligand displacement reactions of (G.B. Deacon, K.T. Nelson-Reed), (322)257

α-Triorganostannylvinyllithiums with Group IVB organometallic halides, reactions of; formation of α-trimethylplumbylvinyllithiums (T.N. Mitchell, W. Reimann), (322)151

Vinyllithiums containing triorganostannyl groups on the α-carbon atom, preparation and stability of (T.N. Mitchell, W. Reimann), (322) 141

Magnesium

Carbanion addition to a metallated acetaldehyde, regiospecific alkene synthesis (D.F. Marten, M.N. Akbari), (322)99

Manganese

Organometallic derivatives with anions of fluorosulphonic acid, and perfluoro sulphonic and carboxylic acids (M. Appel, K. Schloter, J. Heidrich, W. Beck), (322)77

Mercury

Organoplatinum(II) formate complexes, preparation, characterisation and reactions of (M. Crespo, J. Sales), (322)405

Phenylmercury dithiolates, preparation and characterisation of; crystal and molecular structure of $(C_6H_5)Hg(S_2COR)$ (R = Me; ^iPr) and $(C_6H_5)Hg(S_2CNEt_2)$) (E.R.T. Tiekink), (322)1

Metallocenes

Permethyllyttrocene chloride, synthesis and coordination chemistry of (K.H. den Haan, J.H. Teuben), (322)321

ansa-Titanocene chiral derivative with trimethylene-bridged tetrahydroindenyl ligands, synthesis of (W. Röll, L. Zsolnai, G. Huttner, H.H. Brintzinger), (322)65

Molybdenum

(η^3-Allyl)dicarbonylmolybdenum(II) complexes of the unsymmetrical diphosphenes $Ph_2PP(C_6H_4X)$ (X = *m*-F, *p*-F or *m*-CF_3) (P.N. Kapoor, D.D. Pathak, G. Gaur, P.C. Mercykutty), (322)71

Benzaldehyde and acetophenone cationic complexes, formation by hydride or methyl abstraction from $(\eta^5\text{-}C_5H_5)(CO)_3MH$ (M = Mo, W) and $(CO)_5ReCH_3$ with benzylium hexafluoroantimonate (M. Appel, W. Sacher, W. Beck), (322)351

Binuclear carbonyls of Cr, Mo, Fe and Ni with single hydrogen bridges, MO calculations of (B. Jeżowska-Trzebiatowska, B. Nissen-Sobocińska), (322)331

Carbonyldi-η-cyclopentadienylhydridoniobium, insertion reactions with heteroallenes of (G.E. Herberich, H. Mayer), (322)C29

Dicyclopentadienyldiphenylphosphinehydridomolybdenum(IV) chloride, preparation and reactions with electron poor alkynes; formation of molybdaphosphacyclobutanes and X-ray structure of $[(\eta^5\text{-}C_5H_5)_2\overline{MoCH(CF_3)\text{-}CH(CF_3)}\overline{PPh_2}]Cl \cdot H_2O$ (M.M. Kubicki, R. Kergoat, M. Cariou, J.E. Guerchais, P. L'Haridon), (322)357

Molybdenum and tungsten cyclopentadienylpentafluorophenylthiolate complexes as polydentate ligands of thallium(I); dynamic NMR and crystal structure of $[MoTl(SC_6F_5)_2Cp]$ (L = SC_6F_5, CO) (W.A.W.A. Bakar, J.L. Davidson, K.J. McCullough, K.W. Muir), (322)C1

Organometallic derivatives with anions of fluorosulphonic acid, and perfluoro sulphonic and carboxylic acids (M. Appel, K. Schloter, J. Heidrich, W. Beck), (322)77

Neodymium

Cyclopentadienylneodymium dichloride, crystal structure of (G. Yang, Y. Fan, Z. Jin, Y. Xin, W. Chen), (322)57

Nickel

Binuclear carbonyls of Cr, Mo, Fe and Ni with single hydrogen bridges, MO calculations of (B. Jeżowska-Trzebiatowska, B. Nissen-Sobocińska), (322)331

(tmeda)Ni(η^2-C_4H_6)$_2$ and {(tmeda)Ni(η^2-C_4H_6)}$_2$(η^2,η^2-C_4H_6), preparation and properties of (W. Schröder, K.R. Pörschke), (322)385

Palladium

Ruthenium-palladium and ruthenium-rodium complexes linked by pyrazolate groups and chlorine atoms, synthesis of; crystal structure of [(*p*-cymene)ClRu(μ-Cl)(μ-pz)Pd(C_8H_{11})] (M.P. Garcia, A. Portilla, L.A. Oro, C. Foces-Foces, F.H. Cano), (322)111

Phosphorus

(η^3-Allyl)dicarbonylmolybdenum(II) complexes of the unsymmetrical diphosphenes $Ph_2PP(C_6H_4X)$ (X = *m*-F, *p*-F or *m*-CF_3) (P.N. Kapoor, D.D. Pathak, G. Gaur, P.C. Mercykutty), (322)71

$[CpFeP_2L]^+$ cations, (Cp = C_5H_5, C_5Me_5; L = CO vs. CH_3CN; P = phosphine, phosphite), photosynthesis, reactivity and electrochemical properties of (J. Ruiz, E. Roman, D. Astruc), (322)C13

Dicyclopentadienyldiphenylphosphinehydridomolybdenum(IV) chloride, preparation and reactions with electron poor alkynes; formation of molybdaphosphacyclobutanes and X-ray structure of $[(\eta^5\text{-}C_5H_5)_2\overline{MoCH(CF_3)\text{-}CH(CF_3)}\overline{PPh_2}]Cl \cdot H_2O$ (M.M. Kubicki, R. Kergoat, M. Cariou, J.E. Guerchais, P. L'Haridon), (322)357

Diphosphazane- and diphosphine-bridged iron and ruthenium derivatives; dependence of the nature of the hydride ligand on the metal and the bridging diphosphorus ligand (J.S. Field, R.J. Haines, C.N. Sampson, J. Sundermeyer, K.G. Moodley), (322)C7

Ligand–iron(0) systems, 1,3-diene reactions with CO_2 at; formation of carboxylates and their reactions (H. Hoberg, K. Jenni), (322) 193

$Me_3SnO_2PCl_2$ and $Me_3SnO_2PMe_2$, crystal structures of; vibrational spectra of $Me_3Sn\text{-}O_2PMe_2$ (F. Weller, A.-F. Shihada), (322)185

Organometallic derivatives with anions of fluorosulphonic acid, and perfluoro sulphonic and carboxylic acids (M. Appel, K. Schloter, J. Heidrich, W. Beck), (322)77

Pentamethylcyclopentadienyl complexes: [(η^5-C_5Me_5)Ru(PPh_3)(L)Cl] (L = Co, t-BuNC) and [(η^5-C_5Me_5)Ru(L)$_2$Cl] (L = t-BuNC, norbornadiene), preparation and reactivity of (F.M. Conroy-Lewis, S.J. Simpson), (322)221

Platinum(II)/tin(II) systems, catalytic olefin hydrogenation supported on phosphinated polystyrenes by; a solid-state ^{31}P NMR study (H.C. Clark, C.A. Fyfe, P.J. Hayes, I. McMahon, J.A. Davies, R.E. Wasylishen), (322) 393

Trimeric aluminium phosphamide $[(CH_3)_2AlP(CH_3)_2]_3$, molecular structure determined by gas electron diffraction (A. Haaland, J. Hougen, H.V. Volden, G. Hanika, H.H. Karsch), (322)C24

Platinum

Diene(polyfluorophenyl)platinum(II) complexes, preparations and ligand displacement reactions of (G.B. Deacon, K.T. Nelson-Reed), (322)257

Organoplatinum(II) formate complexes, preparation, characterisation and reactions of (M. Crespo, J. Sales), (322)405

Platinum(II)/tin(II) systems, catalytic olefin hydrogenation supported on phosphinated polystyrenes by; a solid-state ^{31}P NMR study (H.C. Clark, C.A. Fyfe, P.J. Hayes, I. McMahon, J.A. Davies, R.E. Wasylishen), (322) 393

Rhenium

Benzaldehyde and acetophenone cationic complexes, formation by hydride or methyl abstraction from $(\eta^5\text{-}C_5H_5)(CO)_3MH$ (M = Mo, W) and $(CO)_5ReCH_3$ with benzylium hexafluoroantimonate (M. Appel, W. Sacher, W. Beck), (322)351

Organometallic derivatives with anions of fluorosulphonic acid, and perfluoro sulphonic and carboxylic acids (M. Appel, K. Schloter, J. Heidrich, W. Beck), (322)77

Re_7 carbido-carbonyl complexes, synthesis of; X-ray crystal structure of the anion $[Re_7C(CO)_{22}]^-$ (T. Beringhelli, G. D'Alfonso, M. De Angelis, G. Ciani, A. Sironi), (322)C21

Rhodium

Carbonyl-rhodium(I) and -rhodium(II) complexes containing *N*-thionitrosodimethylamine (G. Tresoldi, S. Sergi, S.L. Schiavo, P. Piraino), (322)369

Homogeneous rhodium catalyst for ethylene glycol formation from synthesis gas (Y. Kiso, M. Tanaka, T. Hayashi, K. Saeki), (322) C32

Rhodium(I) anionic and neutral complexes containing trichlorostannato ligands, isolation and reactions of (V. Garcia, M.A. Garralda, E. Zugasti), (322)249

Ruthenium-palladium and ruthenium-rhodium complexes linked by pyrazolate groups and chlorine atoms, synthesis of; crystal structure of $[(p\text{-cymene})ClRu(\mu\text{-}Cl)(\mu\text{-pz})Pd(C_8H_{11})]$ (M.P. Garcia, A. Portilla, L.A. Oro, C. Foces-Foces, F.H. Cano), (322)111

Ruthenium

Cobalt and ruthenium catalysts for hydrocarbonylation of butanols (P. Andrianary, G. Jenner), (322)89

Diphosphazane- and diphosphine-bridged iron and ruthenium derivatives; dependence of the nature of the hydride ligand on the metal and the bridging diphosporus ligand (J.S. Field, R.J. Haines, C.N. Sampson, J. Sundermeyer, K.G. Moodley), (322)C7

Pentamethylcyclopentadienyl complexes: $[(\eta^5\text{-}C_5Me_5)Ru(PPh_3)(L)Cl]$ (L = Co, t-BuNC) and $[(\eta^5\text{-}C_5Me_5)Ru(L)_2Cl]$ (L = t-BuNC, norbornadiene), preparation and reactivity of (F.M. Conroy-Lewis, S.J. Simpson), (322) 221

Pyrazolate-bridged ruthenium(I) complexes, synthesis of; X-ray structure of bis-μ-(3,5-dimethylpyrazolate)bis(tricarbonylruthenium-(I)) (*Ru-Ru*) (J.A. Cabeza, C. Landazuri, L.A. Oro, A. Tiripicchio, M. Tiripicchio-Camellini), (322)C16

Ruthenium-palladium and ruthenium-rhodium complexes linked by pyrazolate groups and chlorine atoms, synthesis of; crystal structure of $[(p\text{-cymene})ClRu(\mu\text{-}Cl)(\mu\text{-pz})Pd(C_8H_{11})]$ (M.P. Garcia, A. Portilla, L.A. Oro, C. Foces-Foces, F.H. Cano), (322)111

Silicon

Organosilicon compounds, recent developments in structural chemistry of (*Review*) (V.E. Shklover, Yu.T. Struchkov), (322) 269

Sila-retinol, the first sila-substituted vitamine (R. Münstedt, U. Wannagat), (322)11

α-Triorganostannylvinyllithiums with Group IVB organometallic halides, reactions of; formation of α-trimethylplumbylvinyllithiums (T.N. Mitchell, W. Reimann), (322)151

Sulphur

Carbonyldi-η-cyclopentadienylhydridoniobium, insertion reactions with heteroallenes of (G.E. Herberich, H. Mayer), (322)C29

Carbonyl-rhodium(I) and -rhodium(III) complexes containing *N*-thionitrosodimethylamine (G. Tresoldi, S. Sergi, S.L. Schiavo, P. Piraino), (322)369

Molybdenum and tungsten cyclopentadienylpentafluorophenylthiolate complexes as polydentate ligands of thallium(I); dynamic NMR and crystal structures of $[MoTl(SC_6F_5)_2Cp]$ (L = SC_6F_5, CO) (W.A.W.A. Bakar, J.L. Davidson, W.E. Lindsell, K.J. McCullough, K.W. Muir), (322)C1

Organometallic derivatives with anions of fluorosulphonic acid, and perfluoro sulphonic and carboxylic acids (M. Appel, K. Schloter, J. Heidrich, W. Beck), (322)77

Phenylmercury dithiolates, preparation and characterisation of; crystal and molecular structure of $(C_6H_5)Hg(S_2COR)$ (R = Me; ^iPr) and $(C_6H_5)Hg(S_2CNEt_2)$ (E.R.T. Tiekink), (322)1

Phenylpropylbis(dimethylglyoximato)pyridinecobalt(III) in aqueous sulphuric acid, kinetics, and mechanism of decomposition of (S. Derenne, A. Gaudemer, M.D. Johnson), (322)239

Thienyltetraorganotin(IV) compounds, Mössbauer and NMR studies of intramolecular coordination in; X-ray crystal structure of {*C*,*N*-[3-[(2-pyridyl)-2-thienyl}tri(*p*-tolyl)-tin(IV) (V.G. Kumar Das, L.K. Mun, C. Wei, S.J. Blunden, T.C.W. Mak), (322)163

Thallium

Molybdenum and tungsten cyclopentadienylpentafluorophenylthiolate complexes as polydentate ligands of thallium(I); dynamic NMR and crystal structures of $[MoTl(SC_6F_5)_2Cp]$ (L = SC_6F_5, CO) (W.A.W.A. Bakar, J.L. Davidson, K.J. McCullough, K.W. Muir), (322)C1

Tin

Benzyltin compounds, ^1H CIDNP investigation of photolysis of (A. Standt, H. Dreeskamp), (322)49

$Me_3SnO_2PCl_2$ and $Me_3SnO_2PMe_2$, crystal structures of; vibrational spectra of $Me_3SnO_2PMe_2$ (F. Weller, A.-F. Shihada), (322)185

Platinum(II)/tin(II) systems, catalytic olefin hydrogenation supported on phosphinated polystyrenes by; a solid-state ^{31}P NMR study (H.C. Clark, C.A. Fyfe, P.J. Hayes, I. McMahon, J.A. Davies, R.E. Wasylishen), (322)393

Rhodium(I) anionic and neutral complexes containing trichlorostannato ligands, isolation and reactions of (V. Garcia, M.A. Garralda, E. Zugasti), (322)249

Selective allylation in the presence of tin or zinc of carbonyl compounds in aqueous media (C. Einhorn, J.-L. Luche), (322)177

Stannacyclopentadienes, preparation via organoboration of diethynyldimethylstannane with *B*-alkyl-9-borabicyclo[3.3.1]nonanes (C. Bihlmayer, S.T. Abu-Orabi, B. Wrackmeyer), (322)25

Thienyltetraorganotin(IV) compounds, Mössbauer and NMR studies of intramolecular coordination in; X-ray crystal structure of {*C*,*N*-[3-(2-pyridyl)-2-thienyl}tri(*p*-tolyl)tin-(IV) (V.G. Kumar Das, L.K. Mun, C. Wei, S.J. Blunden, T.C.W. Mak), (322)163

α-Triorganostannylvinyllithiums with Group IVB organometallic halides, reactions of; formation of α-trimethylplumbylvinyllithiums (T.N. Mitchell, W. Reimann), (322)151

Triphenyltin(IV) 8-quinolyloxyacetate hydrate, $[Ph_3SnO_2CCH_2(8\text{-}C_9H_6NO)\cdot H_2O]_n$, organotin ester derivative built of hydrogen-bonded helical chains (V.G. Kumar Das, C. Wei, S. Wing, T.C.W. Mak), (322)23

Vinyllithiums containing triorganostannyl groups on the α-carbon atom, preparation and stability of (T.N. Mitchell, W. Reimann), (322)141

Titanium

ansa-Titanocene chiral derivative with trimethylene-bridged tetrahydroindenyl ligands, synthesis of (W. Röll, L. Zsolnai, G. Huttner, H.H. Brintzinger), (322)65

Tungsten

Benzaldehyde and acetophenone cationic complexes, formation by hydride or methyl abstraction from $(\eta^5\text{-}C_5H_5)(CO)_3MH$ (M = Mo, W) and $(CO)_5ReCH_3$ with benzylium hexafluoroantimonate (M. Appel, W. Sacher, W. Beck), (322)351

Molybdenum and tungsten cyclopentadienylpentafluorophenylthiolate complexes as polydentate ligands of thallium(I); dynamic NMR and crystal structures of $[MoTl(SC_6F_5)_2Cp]$ (L = SC_6F_5, CO) (W.A.W.A. Bakar, J.L.

Davidson, K.J. McCullough, K.W. Muir), (322)C1
Organometallic derivatives with anions of fluorosulphonic acid, and perfluoro sulphonic and carboxylic acids (M. Appel, K. Schloter, J. Heidrich, W. Beck), (322)77

Yttrium

Permethylyttrocene chloride, synthesis and coordination chemistry of (K.H. den Haan, J.H. Teuben), (322)321

Zinc

Selective allylation in the presence of tin or zinc of carbonyl compounds in aqueous media (C. Einhorn, J.-L. Luche), (322)177

Book reviews

A pictorial approach to molecular bonding; by J.G. Verkade (322)C41
Metal clusters in catalysis; edited by B.C. Gates, L. Guczi and H. Knözinger (P.A. Chaloner), (322)C27